Page: 1

Raw Sequence Listing

02/02/93 09:11:54 S381.raw

| 2 | | | SEQUENCE LISTING | ₽M7₽₽₽E |
|----------|----------------|-------------------|-------------------------|------------|
| 3 | | | | ENTERS |
| 4 | (1) GENERAL IN | FORMATION: | | |
| 5 | | | | |
| 6 7 | (i) APP | LICANT: R. Bruce | e Wallace | |
| 8 | (ii) TIT | LE OF INVENTION: | Ligation Amplification | |
| 9 | | | Nucleic Acid Sequences | 3 |
| 10 11 | /iii niimi | BER OF SEQUENCES: | : 15 | |
| 12 | (III) Non | DDN OF DEGOENCED. | . 13 | |
| 13 | (iv) COR | RESPONDENCE ADDRE | ess: | |
| 14 | | | | |
| 15 | (A) | ADDRESSEE: Cit | y of Hope | |
| 16 17 | (B) | STREET: 1500 F | East Duarte Road | |
| 18 | (B) | SIREEI. 1300 E | sast Duarte Road | |
| 19 | (C) | CITY: Duarte | | |
| 20 | | • | | |
| 21 | (D) | STATE: Califor | rnia | |
| 22 23 | /E/\ | COUNTRY: Unite | ed States of America | |
| 24 | (E) | COUNTRI: UNITE | ed States of America | |
| 25 | (F) | ZIP: 91010-026 | 59 | |
| 26 | | | | |
| 27 | (v) COM | PUTER READABLE FO | ORM: | |
| 28 29 | (A) | MEDIUM TYPE: 3 | BM Double Density 5 1/4 | ' diskette |
| 30 | (11) | ADDION IIID. | m bouble bensie, 5 1,4 | albaccc |
| 31 | (B) | COMPUTER: Wang | J PC | |
| 32 | | | | |
| 33 | (C) | OPERATING SYSTE | EM: MS-DOS (R) Version | 3.30 |
| 34 35 | (D) | SOFTWARE: Mici | cogoft (P) | |
| 36 | (5) | BOTTWARE. MICI | COBOIC (K) | |
| 37 | (vi) CUR | RENT APPLICATION | DATA: | |
| 38 | | | | |
| 39 | (A) | APPLICATION NUM | MBER: US/07/996,771 | |
| 40 41 | /B) | FILING DATE: 24 | 1 DEC 1992 | |
| 42 | (B) | FILING DATE: 24 | DEC 1992 | |
| 43 | (C) | CLASSIFICATION: | : 435 | |
| 44 | | | | |
| 45 | (vii) PRI | OR APPLICATION DA | ATA: | |
| 46 47 | (7) | ADDITONTON NUL | ABER: US/07/870,221 | |
| 48 | (A) | APPLICATION NUM | 100K: US/U//0/U,221 | |
| 49 | (B) | FILING DATE: 2 | 20 April 1992 | |
| 50 | ,-, | | _ | |
| 51 | (C) | CLASSIFICATION: | : Unknown | |
| 52 | | | | |

Page: 2

Raw Sequence Listing

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| ວວ | |
|------------|--|
| 54 | (D) APPLICATION NUMBER: US/07/178,377 |
| 55 | |
| 56 57 | (B) FILING DATE: 06 April 1988 |
| 5 <i>7</i> | (C) CLASSIFICATION: Unknown |
| 59 | (0) 02:1551110:110:110:11 |
| 60 | (viii) ATTORNEY/AGENT INFORMATION: |
| 61 | |
| 62 | (A) NAME: Irons, Edward S. |
| 63 | |
| 64 | (B) REGISTRATION NUMBER: 16,541 |
| 65 66 | (C) REFERENCE/DOCKET NUMBER: None |
| 67 | (C) REFERENCE/DOCKET NUMBER: NOITE |
| 68 | (ix) TELECOMMUNICATION INFORMATION: |
| 69 | (==, ================================== |
| 70 | (A) TELEPHONE: (202) 785-6938 |
| 71 | |
| 72 | (B) TELEFAX: (202) 785-5351 |
| 73 | |
| 74 | (C) TELEX: 440087 LM WSH |
| 75 76 | |
| 77 | (2) INFORMATION FOR SEQ ID NO: 1: |
| 78 | (2) Infoldmitton for DDQ ID No. 1. |
| 79 | (i) SEQUENCE CHARACTERISTICS: |
| 80 | , , - |
| 81 | (A) LENGTH: 14 |
| 82 | |
| 83 | (B) TYPE: nucleic acid |
| 84 | (a) consupersect discharge |
| 85 86 | (C) STRANDEDNESS: Single Stranded |
| 87 | (D) TOPOLOGY: Linear |
| 88 | (b) Toronodi. Dinedi |
| 89 | (ii) MOLECULE TYPE: Not Applicable |
| 90 | ** |
| 91 | (iii) HYPOTHETICAL: Not Applicable |
| 92 | |
| 93 | (iv) ANTI-SENSE: Not Applicable |
| 94 | |
| 95 96 | (v) FRAGMENT TYPE: Not Applicable |
| 97 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 98 | (VI) ORIGINAL BOOKES: Synthetically Flepared |
| 99 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 100 | , 32, |
| 101 | (viii) POSITION IN GENOME: None |
| 102 | |
| 103 | (ix) FEATURE: None |
| 104 | |

Page: 3

Raw Sequence Listing

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| 105 | (x) | PUBLICATION INFORMATION: None |
|------------|-------------|--|
| 106 | | |
| 107 | (xi) | SEQUENCE DESCRIPTION: SEQ ID NO: 1: |
| 108 | | |
| 109 | | CGGCAGACTT CTCC 14 |
| 110 | | |
| 111 | | |
| 112 | | |
| 113 | (2) INFORM | MATION FOR SEQ ID NO: 2: |
| 114 | | |
| 115 | (i) | SEQUENCE CHARACTERISTICS: |
| 116 | | |
| 117 | | (A) LENGTH: 8 |
| 118 | | |
| 119 | | (B) TYPE: nucleic acid |
| 120 | | |
| 121 | | (C) STRANDEDNESS: Single Stranded |
| 122 | | |
| 123 | | (D) TOPOLOGY: Linear |
| 124 | | |
| 125 | (ii) | MOLECULE TYPE: Not Applicable |
| 126 | | |
| 127 | (iii) |) HYPOTHETICAL: Not Applicable |
| 128 | | |
| 129 | (iv) |) ANTI-SENSE: Not Applicable |
| 130 | | |
| 131 | (V) | FRAGMENT TYPE: Not Applicable |
| 132 | | OPTOTUST COMPONE CONTRACTOR IN PROCESS |
| 133 | (71) | ORIGINAL SOURCE: Synthetically Prepared |
| 134 135 | 4 mad d 1 | TIMEDIAME COUNCE: Combbetically December |
| 136 | (VII) |) IMMEDIATE SOURCE: Synthetically Prepared |
| 137 | /:::: |) POSITION IN GENOME: None |
| 138 | (VIII) |) POSITION IN GENOME: None |
| 139 | / 1 - |) FEATURE: None |
| 140 | (IX) |) FEATURE: None |
| 141 | (x) | PUBLICATION INFORMATION: None |
| 142 | (^) | 10001001100 INTOWNITION. NOME |
| 143 | (vi) | SEQUENCE DESCRIPTION: SEQ ID NO: 2: |
| 144 | (XI) | BEQUENCE DESCRIPTION: SEQ ID NO. 2. |
| 145 | | TCAGGAGT 8 |
| 146 | | 10.000.01 |
| 147 | | |
| 148 | | |
| 149 | (2) INFORM | MATION FOR SEQ ID NO:3: |
| 150 | ,_, | |
| 151 | (i) | SEQUENCE CHARACTERISTICS: |
| 152 | , , , , , , | , <u> </u> |
| 153 | | (A) LENGTH: 6 |
| 154 | | • • |
| 155 | | (B) TYPE: nucleic acid |
| 156 | | • • |

Raw Sequence Listing

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| 157 | | (C) STRANDEDNESS: Single Stranded |
|-------|------------|--|
| 158 | | |
| 159 | | (D) TOPOLOGY: Linear |
| 160 | | |
| 161 | (ii) | MOLECULE TYPE: Not Applicable |
| 162 | | |
| 163 | (iii) | HYPOTHETICAL: Not Applicable |
| 164 | , , | • • |
| 165 | (iv) | ANTI-SENSE: Not Applicable |
| 166 | (/ | The second secon |
| 167 | (v) | FRAGMENT TYPE: Not Applicable |
| 168 | (*) | Transcription in the company of the |
| 169 | (vi) | ORIGINAL SOURCE: Synthetically Prepared |
| 170 | (*1) | ORIGINAL BOOKCE. Synchecically Flepared |
| | 1223 | TWENTIME COURSE. Conthatically Dunning |
| 171 | (711) | IMMEDIATE SOURCE: Synthetically Prepared |
| 172 | | |
| 173 | (Viii) | POSITION IN GENOME: None |
| 174 | | |
| 175 | (ix) | FEATURE: None |
| 176 | | |
| 177 | (x) | PUBLICATION INFORMATION: None |
| 178 | | |
| 179 | (xi) | SEQUENCE DESCRIPTION: SEQ ID NO: 3: |
| 180 | | |
| 181 | | TCAGGA 6 |
| 182 | | |
| 183 | (2) INFORM | ATION FOR SEQ ID NO:4: |
| 184 | \-, | |
| 185 | /i\ | SEQUENCE CHARACTERISTICS: |
| 186 | (-) | |
| 187 | | (A) LENGTH: 8 |
| 188 | | (A) LENGIN: 0 |
| 189 | | (D) MVDD, muslais asid |
| | | (B) TYPE: nucleic acid |
| 190 | | |
| 191 | | (C) STRANDEDNESS: Single Stranded |
| 192 | | |
| 193 | | (D) TOPOLOGY: Linear |
| 194 | | |
| 195 | (ii) | MOLECULE TYPE: Not Applicable |
| 196 | | |
| 197 | (iii) | HYPOTHETICAL: Not Applicable |
| 198 | | |
| 199 | (iv) | ANTI-SENSE: Not Applicable |
| 200 | ` ' | •- |
| 201 | (v) | FRAGMENT TYPE: Not Applicable |
| 202 | (- / | |
| 203 | (vi) | ORIGINAL SOURCE: Synthetically Prepared |
| 204 | (+1) | |
| 205 | 19441 | IMMEDIATE SOURCE: Synthetically Prepared |
| 206 | (^ 11) | TREMDIATE BOOKER. Synchecically riepated |
| 207 | /!!! | POSITION IN GENOME: None |
| 207 | (ATTT) | POSITION IN GENOME: None |
| / 1/0 | | |

| 209 210 | (ix) FEATURE: None |
|------------|---|
| 211 | (x) PUBLICATION INFORMATION: None |
| 212 | (x) robbication information. None |
| 212 | |
| 213 | |
| 214 | |
| 215 | () CROURNER DECORIDATON, CRO. ID NO. 4. |
| | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: |
| 217 | NONCONCE 9 |
| 218 | ACAGGAGT 8 |
| 219 | |
| 220 | |
| 221 | (A) THEODYSMION BOD GEO ID NO. F. |
| 222 | (2) INFORMATION FOR SEQ ID NO:5: |
| 223 | / CONTRACT OF THE CONTRACT OF |
| 224 | (i) SEQUENCE CHARACTERISTICS: |
| 225 | (A) I DYOME. |
| 226 | (A) LENGTH: 6 |
| 227 228 | (D) MUDD, muslain anid |
| | (B) TYPE: nucleic acid |
| 229 | (C) CERTAINTENANCE CITATION CANADA |
| 230 | (C) STRANDEDNESS: Single Stranded |
| 231 | (D) MODOLOGY, Ilman |
| 232 | (D) TOPOLOGY: Linear |
| 233 234 | (ii) NOT DOTT D. MUDD. Not Bouldeshie |
| | (ii) MOLECULE TYPE: Not Applicable |
| 235 236 | (iii) IMPONIENTARI, Nat Ranlinakia |
| 230 | (iii) HYPOTHETICAL: Not Applicable |
| 237 | (in) ANTI-CENCE. Not Applicable |
| 239 | (iv) ANTI-SENSE: Not Applicable |
| 240 | (v) FRAGMENT TYPE: Not Applicable |
| 241 | (V) PRAGMENT TIPE: NOT Applicable |
| 241 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 242 | (VI) ORIGINAL SOURCE: Synchectically Prepared |
| 244 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 245 | (VII) IMMEDIATE SOURCE: Synchecically Flepaled |
| 246 | (viii) POSITION IN GENOME: None |
| 247 | (VIII) FOSITION IN GENOME: None |
| 248 | (ix) FEATURE: None |
| 249 | (IX) PERIORE. None |
| 250 | (x) PUBLICATION INFORMATION: None |
| 251 | (A) LODDIONITON INTONBITION NONC |
| 252 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: |
| 253 | () ankanian annanta rani ank ra not at |
| 254 | ACAGGA 6 |
| 255 | 1.0.1.0011 |
| 256 | |
| 257 | |
| 258 | (2) INFORMATION FOR SEQ ID NO:6: |
| 259 | /-/ |
| 260 | (i) SEQUENCE CHARACTERISTICS: |
| | , -, |

| 701 | |
|------------|--|
| 262 | (A) LENGTH: 14 |
| 263 | |
| 264 | (B) TYPE: nucleic acid |
| 265 | • • |
| 266 | (C) STRANDEDNESS: Single Stranded |
| 267 | (o) bilanophiabat binglo bolandou |
| 268 | (D) TOPOLOGY: Linear |
| 269 | (b) TOPOLOGI: Linear |
| | (ii) WATEGUTE MUDE. Not benlineble |
| 270 | (ii) MOLECULE TYPE: Not Applicable |
| 271 | |
| 272 | (iii) HYPOTHETICAL: Not Applicable |
| 273 | |
| 274 | (iv) ANTI-SENSE: Not Applicable |
| 275 | |
| 276 | (v) FRAGMENT TYPE: Not Applicable |
| 277 | |
| 278 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 279 | |
| 280 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 281 | |
| 282 | (viii) POSITION IN GENOME: None |
| 283 | (1000) |
| 284 | (ix) FEATURE: None |
| 285 | (14) 121110121 110110 |
| 286 | (x) PUBLICATION INFORMATION: None |
| 287 | (x) TODDICATION INTOMMITON: None |
| 288 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: |
| 289 | (XI) DEQUENCE DESCRIPTION. DEQ ID NO. 0. |
| 290 | CACCTGACTC CTGA 14 |
| 291 | CACCIGACIC CIGA 14 |
| | |
| 292 | |
| 293 | |
| 294 | (2) INFORMATION FOR SEQ ID NO:7: |
| 295 | |
| 296 | (i) SEQUENCE CHARACTERISTICS: |
| 297 | |
| 298 | (A) LENGTH: 14 |
| 299 | |
| 300 | (B) TYPE: nucleic acid |
| 301 | |
| 302 | (C) STRANDEDNESS: Single Stranded |
| 303 | |
| 304 | (D) TOPOLOGY: Linear |
| 305 | |
| 306 | (ii) MOLECULE TYPE: Not Applicable |
| 307 | // |
| 308 | (iii) HYPOTHETICAL: Not Applicable |
| 309 | (rri) miloimpiloum. Not ubbilognie |
| | /in ANTI-CENCE. Not Applicable |
| 310 | (iv) ANTI-SENSE: Not Applicabl |
| 311 | () DD3 (MUNIM MUNIM . W-4 9 - 1/ - 1 - |
| 312 | (v) FRAGMENT TYPE: Not Applicable |

| 313 | |
|-----|--|
| 314 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 315 | |
| 316 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 317 | |
| 318 | (viii) POSITION IN GENOME: None |
| 319 | |
| 320 | (ix) FEATURE: None |
| 321 | |
| 322 | (x) PUBLICATION INFORMATION: None |
| 323 | |
| 324 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: |
| 325 | |
| 326 | CACCTGACTC CTGT 14 |
| 327 | |
| 328 | |
| 329 | |
| • | 2) INFORMATION FOR SEQ ID NO:8: |
| 331 | |
| 332 | (i) SEQUENCE CHARACTERISTICS: |
| 333 | |
| 334 | (A) LENGTH: 8 |
| 335 | |
| 336 | (B) TYPE: nucleic acid |
| 337 | |
| 338 | (C) STRANDEDNESS: Single Stranded |
| 339 | |
| 340 | (D) TOPOLOGY: Linear |
| 341 | |
| 342 | (ii) MOLECULE TYPE: Not Applicable |
| 343 | |
| 344 | (iii) HYPOTHETICAL: Not Applicable |
| 345 | |
| 346 | (iv) ANTI-SENSE: Not Applicable |
| 347 | |
| 348 | (v) FRAGMENT TYPE: Not Applicable |
| 349 | |
| 350 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 351 | |
| 352 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 353 | |
| 354 | (viii) POSITION IN GENOME: None |
| 355 | |
| 356 | (ix) FEATURE: None |
| 357 | |
| 358 | (x) PUBLICATION INFORMATION: None |
| 359 | |
| 360 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8: |
| 361 | 00101100 |
| 362 | GGAGAAGT 8 |
| 363 | |
| 364 | |

| 365 | | | |
|-----|-----|--------------|--|
| 366 | (2) | INFORM | ATION FOR SEQ ID NO:9: |
| 367 | | | |
| 368 | | (i) | SEQUENCE CHARACTERISTICS: |
| 369 | | | |
| 370 | | | (A) LENGTH: 6 |
| 371 | | | |
| 372 | | | (B) TYPE: nucleic acid |
| 373 | | | |
| 374 | | | (C) STRANDEDNESS: Single Stranded |
| 375 | | | |
| 376 | | | (D) TOPOLOGY: Linear |
| 377 | | | |
| 378 | | (ii) | MOLECULE TYPE: Not Applicable |
| 379 | | (, | |
| 380 | | (iii) | HYPOTHETICAL: Not Applicable |
| 381 | | (, | ······································ |
| 382 | | (127) | ANTI-SENSE: Not Applicable |
| 383 | | (14) | MII bende. Not applicable |
| 384 | | (35) | FRAGMENT TYPE: Not Applicable |
| 385 | | . (•) | randment itre: Not applicable |
| 386 | | / \ | ORIGINAL SOURCE: Synthetically Prepared |
| 387 | | (\(\tau \) | ORIGINAL SOURCE: Synthetically Prepared |
| 388 | | /!!\ | TWORD TARR COURGE. Combbabically Decreased |
| 389 | | (411) | IMMEDIATE SOURCE: Synthetically Prepared |
| | | | |
| 390 | | (ATIT) | POSITION IN GENOME: None |
| 391 | | | |
| 392 | | (1X) | FEATURE: None |
| 393 | | | |
| 394 | | (x) | PUBLICATION INFORMATION: None |
| 395 | | | |
| 396 | | (XÌ) | SEQUENCE DESCRIPTION: SEQ ID NO: 9: |
| 397 | | | |
| 398 | | | GGAGAA 6 |
| 399 | | | |
| 400 | | | |
| 401 | | | |
| 402 | (2) | INFORM | ATION FOR SEQ ID NO:10: |
| 403 | | | |
| 404 | | (i) | SEQUENCE CHARACTERISTICS: |
| 405 | | | |
| 406 | | | (A) LENGTH: 19 |
| 407 | | | |
| 408 | | | (B) TYPE: nucleic acid |
| 409 | | | , |
| 410 | | | (C) STRANDEDNESS: Single Stranded |
| 411 | | | /-/ |
| 412 | | | (D) TOPOLOGY: Linear |
| 413 | | | 1-1 |
| 414 | | (111) | MOLECULE TYPE: Not Applicable |
| 415 | | (11) | |
| 416 | | /4445 | HYPOTHETICAL: Not Applicable |
| 410 | | (+++) | uttotustious. Not whittents |

| 417 | |
|-------------|--|
| 418 | (iv) ANTI-SENSE: Not Applicable |
| 419 | |
| 420 | (v) FRAGMENT TYPE: Not Applicable |
| 421 | |
| 422 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 423 | |
| 424 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 425 | |
| 426 | (viii) POSITION IN GENOME: None |
| 427 | A Lock COMP MORNING STATE OF |
| 428 | (ix) FEATURE: None |
| 429 | |
| 430 | |
| 431 432 | (x) PUBLICATION INFORMATION: None |
| 432 | (x) PUBLICATION INFORMATION: None |
| 434 | () CROHENCE DESCRIPTION, SEC ID NO. 10. |
| 434 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10: |
| 435 | CTCCTGAGGA GAAGTCTGC 19 |
| 430 | CICCIGAGGA GAAGICIGC 19 |
| 437. 438 | |
| 436 | (2) INFORMATION FOR SEQ ID NO:11: |
| 440 | (2) INFORMATION FOR SEQ ID NO: 11: |
| 441 | (i) SEQUENCE CHARACTERISTICS: |
| 442 | (I) BEQUENCE CHARACTERISTICS. |
| 443 | (A) LENGTH: 19 |
| 444 | (n) Dunoin. 13 |
| 445 | (B) TYPE: nucleic acid |
| 446 | (2) 11124 11101010 4014 |
| 447 | (C) STRANDEDNESS: Single Stranded |
| 448 | (0) |
| 449 | (D) TOPOLOGY: Linear |
| 450 | (5) 200 200 200 200 200 200 200 200 200 20 |
| 451 | (ii) MOLECULE TYPE: Not Applicable |
| 452 | (, |
| 453 | (iii) HYPOTHETICAL: Not Applicable |
| 454 | (, |
| 455 | (iv) ANTI-SENSE: Not Applicable |
| 456 | (- , |
| 457 | (v) FRAGMENT TYPE: Not Applicable |
| 458 | ••• |
| 459 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 460 | |
| 461 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 462 | |
| 463 | (viii) POSITION IN GENOME: None |
| 464 | |
| 465 | (ix) FEATURE: None |
| 466 | |
| 467 | (x) PUBLICATION INFORMATION: None |
| 468 | |

| 469 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11: |
|------------|--|
| 470 | CTCCTGTGGA GAAGTCTGC 19 |
| 471 | CTCCTGTGGA GAAGTCTGC 19 |
| 472 | |
| 473 | |
| 474 | |
| 475 | (2) INFORMATION FOR SEQ ID NO:12: |
| 476 | |
| 477 | (i) SEQUENCE CHARACTERISTICS: |
| 478 | |
| 479 | (A) LENGTH: 23 |
| 480 | |
| 481 | (B) TYPE: nucleic acid |
| 482 | |
| 483 | (C) STRANDEDNESS: Single Stranded |
| 484 | • |
| 485 | (D) TOPOLOGY: Linear |
| 486 | (-, |
| 487 | (ii) MOLECULE TYPE: Not Applicable |
| 488 | (11) |
| 489 | (iii) HYPOTHETICAL: Not Applicable |
| 490 | (III) miloimbilomb. Not applicable |
| 491 | (iv) ANTI-SENSE: Not Applicable |
| 492 | (IV) MIT DENDE: NOT APPITUADIE |
| 493 | (v) FRAGMENT TYPE: Not Applicable |
| 494 | (V) PRAGMENT TIPE: NOT APPITUABLE |
| 495 | (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 496 | (VI) ORIGINAL SOURCE: Synthetically Prepared |
| 497 | (will INVESTIBLE COURGE: Combbetically Bronous |
| 497 | (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| 498 499 | (-111) DOCUMENT IN CHINAVE. No. |
| | (viii) POSITION IN GENOME: None |
| 500 | Atal BRANIDA Nasa |
| 501 | (ix) FEATURE: None |
| 502 | |
| 503 | (x) PUBLICATION INFORMATION: None |
| 504 | |
| 505 | (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12: |
| 506 | |
| 507 | CGGCAGACTT CTCCTCAGGA GTC 23 |
| 508 | |
| 509 | |
| 510 | |
| 511 | (2) INFORMATION FOR SEQ ID NO:13: |
| 512 | |
| 513 | (i) SEQUENCE CHARACTERISTICS: |
| 514 | |
| 515 | (A) LENGTH: 23 |
| 516 | • • |
| 517 | (B) TYPE: nucleic acid |
| 518 | • • |
| 519 | (C) STRANDEDNESS: Single Stranded |
| 520 | , , |
| | |

| 521 | | (D) TOPOLOGY: Linear |
|-----|-----------------------|--|
| 522 | | |
| 523 | (ii) | MOLECULE TYPE: Not Applicable |
| 524 | | |
| 525 | (iii) | HYPOTHETICAL: Not Applicable |
| 526 | | |
| 527 | (iv) | ANTI-SENSE: Not Applicable |
| 528 | , - · , | |
| 529 | (v) | FRAGMENT TYPE: Not Applicable |
| 530 | (- , | |
| 531 | (vi) | ORIGINAL SOURCE: Synthetically Prepared |
| 532 | (12) | onitional bothor by nonoticularly respective |
| 533 | (vii) | IMMEDIATE SOURCE: Synthetically Prepared |
| 534 | (*11) | THEBDIALD GOOKED. Dynchecically Flephica |
| 535 | / | POSITION IN GENOME: None |
| | (ATIT) | POSITION IN GENOME: None |
| 536 | | DELEUDE. None |
| 537 | (1x) | FEATURE: None |
| 538 | 4 | |
| 539 | (x) | PUBLICATION INFORMATION: None |
| 540 | | |
| 541 | (XI) | SEQUENCE DESCRIPTION: SEQ ID NO: 13: |
| 542 | | |
| 543 | | CGGCAGACTT CTCCACAGGA GTC 23 |
| 544 | | |
| 545 | | |
| 546 | | |
| 547 | (2) INFORM | ATION FOR SEQ ID NO:14: |
| 548 | | |
| 549 | (i) | SEQUENCE CHARACTERISTICS: |
| 550 | | |
| 551 | | (A) LENGTH: 14 |
| 552 | | |
| 553 | | (B) TYPE: nucleic acid |
| 554 | | |
| 555 | | (C) STRANDEDNESS: Single Stranded |
| 556 | | (0) 200000000000000000000000000000000000 |
| 557 | | (D) TOPOLOGY: Linear |
| 558 | | (5) 101020011 22001 |
| 559 | /;;\ | MOLECULE TYPE: Not Applicable |
| 560 | (11) | MODECULE IIIE. NOT APPITUADIE |
| 561 | / 4 4 4 1 | HYPOTHETICAL: Not Applicable |
| 562 | (111) | nifoinglican: Not applicable |
| 563 | (4) | NUME CHICK. Not Bookle |
| 564 | (10) | ANTI-SENSE: Not Applicable |
| | 4 | |
| 565 | (♥) | FRAGMENT TYPE: Not Applicable |
| 566 | | |
| 567 | (vi) | ORIGINAL SOURCE: Synthetically Prepared |
| 568 | | |
| 569 | (vii) | IMMEDIATE SOURCE: Synthetically Prepared |
| 570 | | |
| 571 | (viii) | POSITION IN GENOME: None |
| 572 | | |

| 573 (ix) FEATURE: None 574 |
|--|
| 575 (x) PUBLICATION INFORMATION: None |
| 576 |
| 577 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14: |
| 578 |
| 579 CCTCTTCAGA CGGC 14 |
| 580 |
| 581 |
| 582 |
| 583 (2) INFORMATION FOR SEQ ID NO:15: |
| 584 |
| 585 (i) SEQUENCE CHARACTERISTICS: |
| 586 |
| 587 (A) LENGTH: 8 |
| 588 |
| 589 (B) TYPE: nucleic acid |
| 590 |
| 591 (C) STRANDEDNESS: Single Stranded |
| 592 |
| 593 (D) TOPOLOGY: Linear |
| 594 |
| 595 (ii) MOLECULE TYPE: Not Applicable |
| 596 |
| 597 (iii) HYPOTHETICAL: Not Applicable |
| 598 |
| 599 (iv) ANTI-SENSE: Not Applicable |
| 600 |
| 601 (v) FRAGMENT TYPE: Not Applicable |
| 602 |
| 603 (vi) ORIGINAL SOURCE: Synthetically Prepared |
| 604 |
| 605 (vii) IMMEDIATE SOURCE: Synthetically Prepared |
| |
| 607 (viii) POSITION IN GENOME: None 608 |
| |
| 609 (ix) FEATURE: None |
| 611 (x) PUBLICATION INFORMATION: None |
| 612 (x) PUBLICATION INFORMATION: None |
| 613 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15: |
| 614 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 15: |
| 615 TGAGGACT 8 |
| 616 |
| <u></u> |

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SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/07/996,771 DATE: 02/02/93 TIME: 09:13:05

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LINE ERROR

ORIGINAL TEXT

Unknown or Misplaced Identifier Unknown or Misplaced Identifier 58

(C) CLASSIFICATION: Unknown

(C) CLASSIFICATION: Unknown

PAGE: 1 SEQUENCE MISSING ITEM REPORT PATENT APPLICATION US/07/996,771

MANDATORY IDENTIFIER THAT WAS NOT FOUND

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PAGE: 1

SEQUENCE CORRECTION REPORT PATENT APPLICATION US/07/996,771

DATE: 02/02/93 TIME: 09:13:05 S381

LINE ORIGINAL TEXT

CORRECTED TEXT